



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#18
IDS.
S. Davis
P56310
10/30/03

In re Application of:

JAE-HO MOON *et al.*

Serial No.: 09/782,029

Examiner: *to be assigned*

Filed: 14 February 2001

Art Unit: 2853

For: INK-JET PRINthead

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, and 1.97 and 1.98 applicant cites, lists, and discusses and encloses copies of the following art references cited in an Examination Report from the Japanese Patent Office issued on the 17th of April 2003 in corresponding Japanese patent application No. 2001-066523.

JAPANESE PATENT REFERENCES:

<u>Publication No.</u>	<u>Inventor</u>	<u>Published Date</u>
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JP 11-020161	Segawa <i>et al.</i>	26 January 1999
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"Printer Head And Manufacture Thereof"

and English language Abstract for JP 11-020161.

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MAY 26 2003
10,2800 MAIL ROOM

• JP 10-128977 Weber 29 April 1998

"Method And Apparatus For Ink Chamber Evacuation."

and English language Abstract for JP JP 10-128977.

OTHER DOCUMENTS:

- Office action and *Notification of the Reasons for Objection* issued by the Japanese Patent Office on the 17th day of April 2003 in corresponding co-pending Japanese patent application assigned serial No. 2001-066523.

DISCUSSION

As explained by the Japanese Patent Office in its Notification of the Reasons for Objection, Segawa JP '161 and Weber JP '977 make the claimed invention "easily foreseeable" as a print head with formation from ink container to heating elements.

Segawa JP '161 contemplates a printer head providing a container for ink, a head board containing orifices for jetting ink, disposed contiguously to the ink container and counter electrodes that urge ink to pass through the orifice holes. A circuit for driving the counter electrodes is integrally formed with a head board.

Weber JP '977, which corresponds to U.S. Serial No. 07/38516, contemplates a print head with the chamber, a member that defines an orifice and a fluid inlet through which fluid flows to the chamber. A heating member disposed to heating fluid within the chamber to enable the chamber to

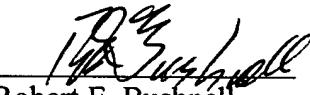
eject a fluid droplet that has a volume equal to the volume of the chamber.

Pursuant to 37 CFR § 1.97 (e)(1), each item of information contain the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.

The citation of forgoing references is not tended to constitute representation to the Examiner that a search of the prior art has been made by the Applicant. Accordingly, the U.S. Examiner is requested to make a thorough and wide-ranging search of the prior art during the examination.

A fee of \$180.00 is incurred by the filing of this Information Disclosure Statement. Applicant's check drawn to the order of Commissioner accompanies this Information Disclosure Statement. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,



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I.D.: REB/asc

INFORMATION DISCLOSURE STATEMENT  PTO-1449	SERIAL NUMBER	09/782,029	DOCKET NO.	P56310
	APPLICANT	JAE-HO MOON et al.		
	FILING DATE	14 February 2001	GROUP	2853

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

TRANSLATI

SEARCHED DOCUMENTS						SEARCHED	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	N
	JP 11-020161	01/99	Japan			Abstract	
	JP 10-128977	04/98	Japan			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

"Notification of the Reasons for Objection" issued by Japanese Patent Office dated on 17 April 2003 in corresponding co-pending Japanese patent application 2001-066523.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.